Forest Insect & Disease Management

Report No. 80-3-37

Issued on: 7-25-80

AERIAL DETECTION SURVEY OF FOREST INSECT AND DISEASE ACTIVITY, SUMTER NATIONAL FOREST, SOUTH CAROLINA

LAND OWNERSHIP OR SURVEY AREA: Sumter National Forest
Andrew Pickens Ranger District

STATE: South Carolina

AREA WITHIN SURVEY BOUNDARY: 128,741 acres

DATE: July 18, 1980

PERCENT COVERAGE: 100%

AIRCRAFT: Cessna 210

CREW: E.T. Wilson, R.Bassett, T. Russell

REPORT PREPARED BY: E.T. Wilson

SURVEY OBJECTIVES

To detect and delineate the presence of forest insect and/or disease activity adversely affecting the timber resources in the survey area.

SURVEY RESULTS

A total of 139 spots containing 3801 dead and dying trees were detected. The pine mortality on the Andrew Pickens Ranger District is suspected to be caused by the southern pine beetle. The attached map indicates the approximate size and location of suspected southern pine beetle infestations.

CONCLUSIONS

The occurence of suspected southern pine beetle infestations on the Andrew Pickens Ranger District remain high and heavily concentrated in the vicinity of the Jumping Branch Fire (refer to report # 79-3-39) additional spots of dying trees were scattered over the district. A biological evaluation is currently in progress by personnel from the Asheville Field Office.

For additional information, contact:

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Telephone: 404/221-4796

or

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Asheville, NC 28802
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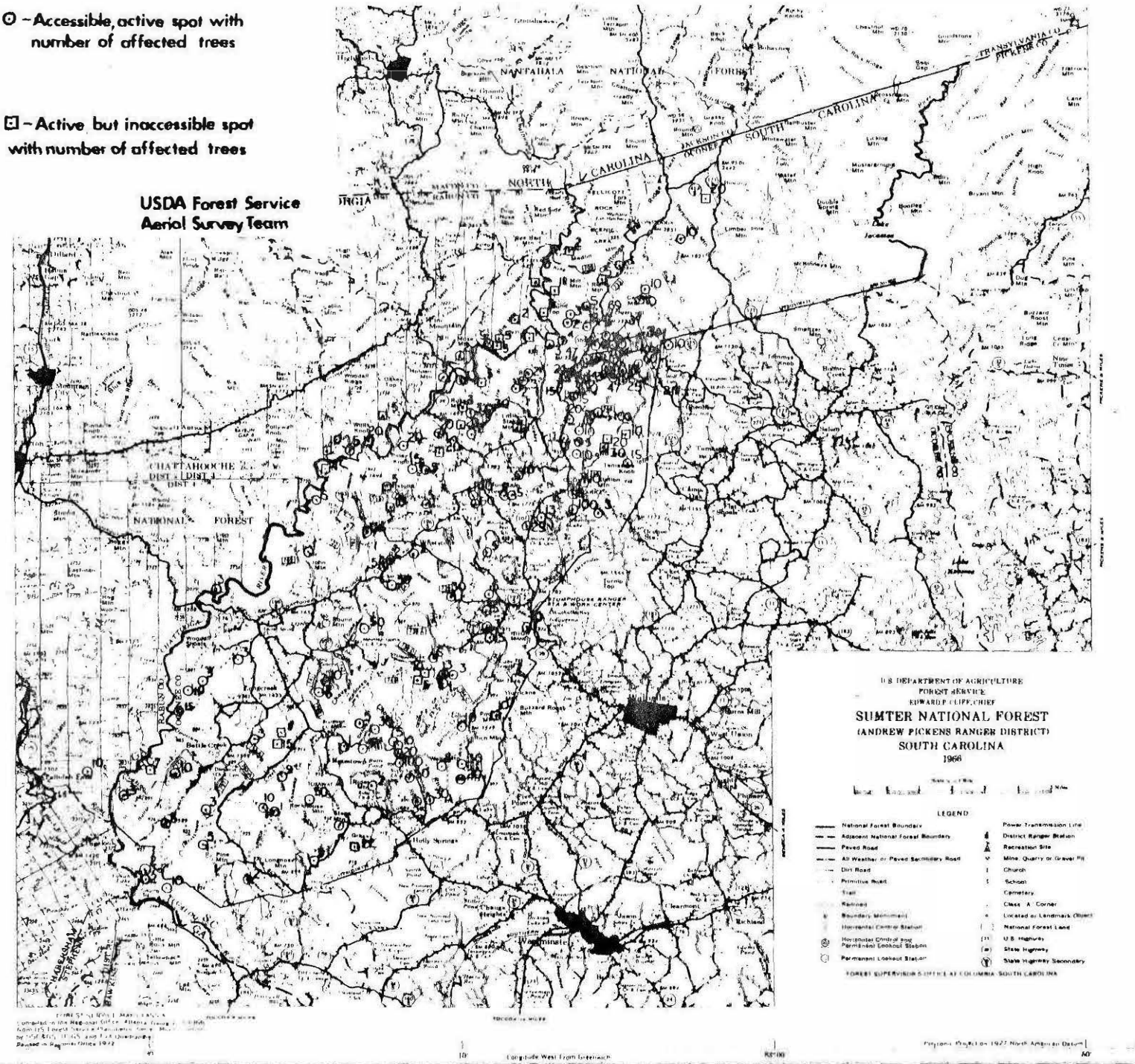
SOUTHEASTERN AREA, STATE & PRIVATE FORESTRY
USDA FOREST SERVICE, ATLANTA, GA 30309

Table 1: Summary of Aerial Survey Data, Sumter National Forest, Andrew Pickens Ranger District, South Carolina, July 18, 1980

Ownership	Infestation Size (# Trees)									
	1 - 10		11 - 25		26 - 50		51 - 100		100+	
	Spots	Trees	Spots	Trees	Spots	Trees	Spots	Trees	Spots	Trees
Federal	63	352	22	411	15	606	6	504	4	1634
Private	25	119	2	40	1	35	1	100	0	0



Aerial Survey showing location of southern pine beetle infestations.
Sumter National Forest, Andrew Pickens Ranger District, July 18, 1980